

201220 2250800T

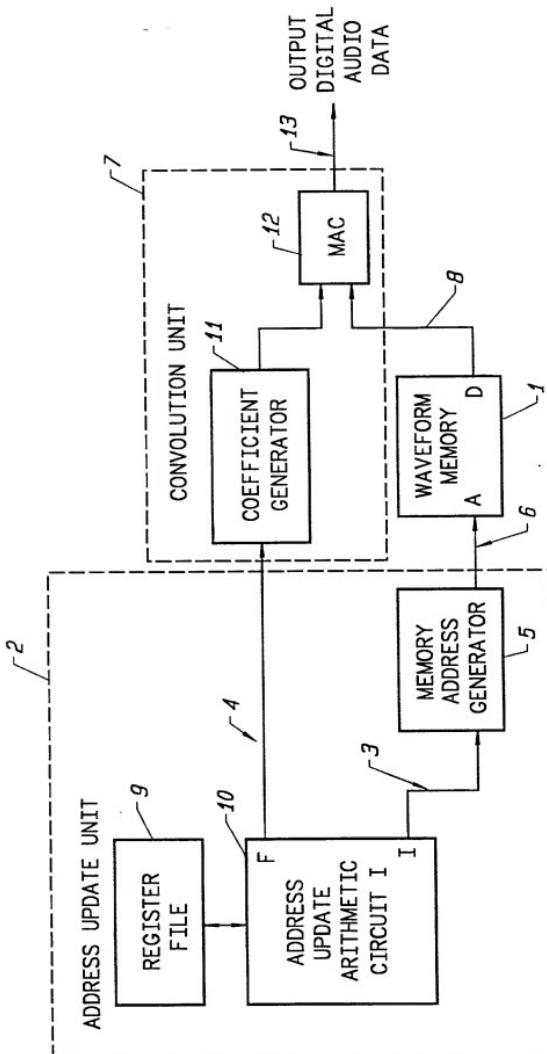


FIG. 1

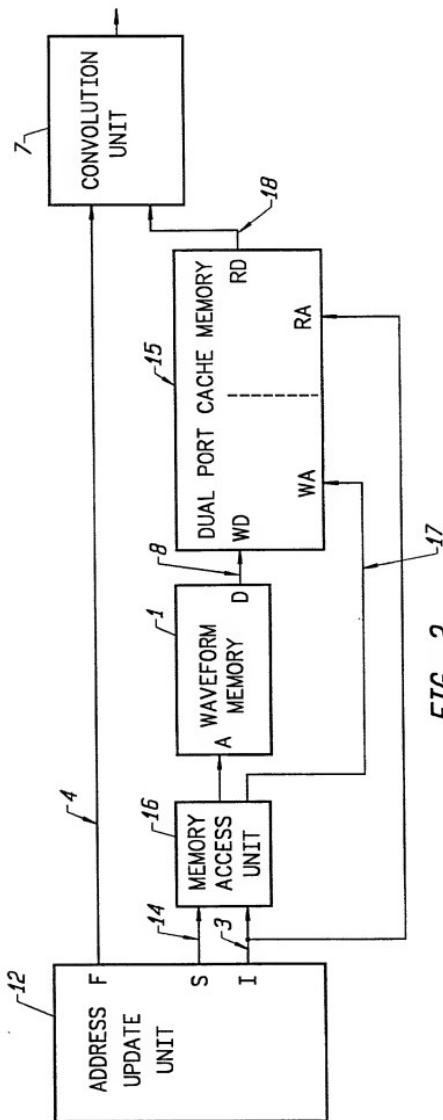


FIG. 2

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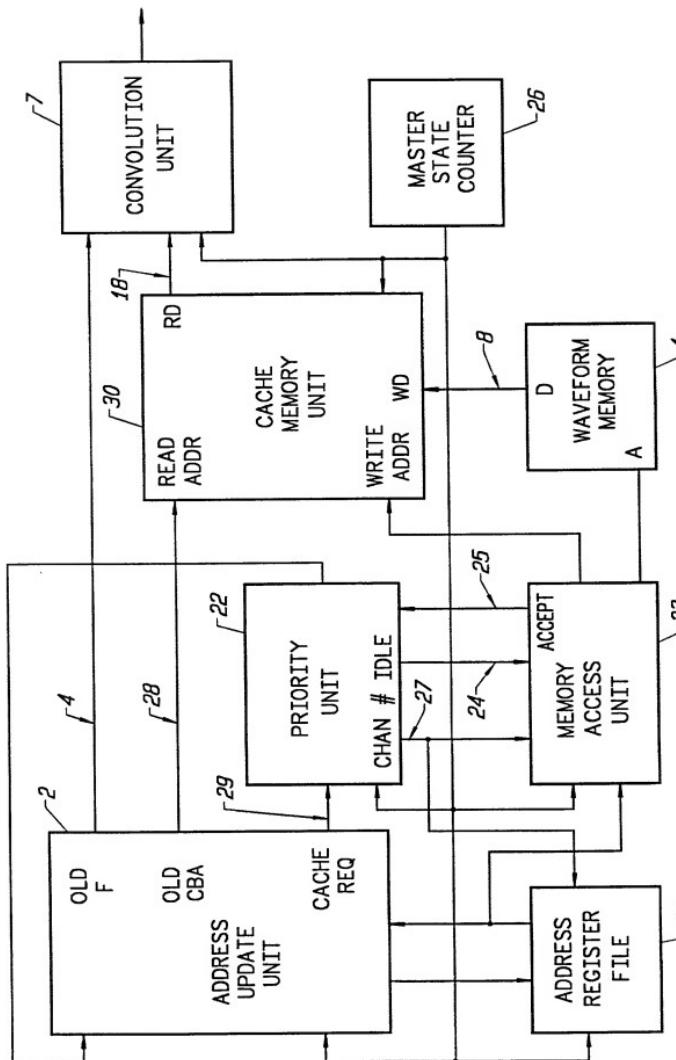
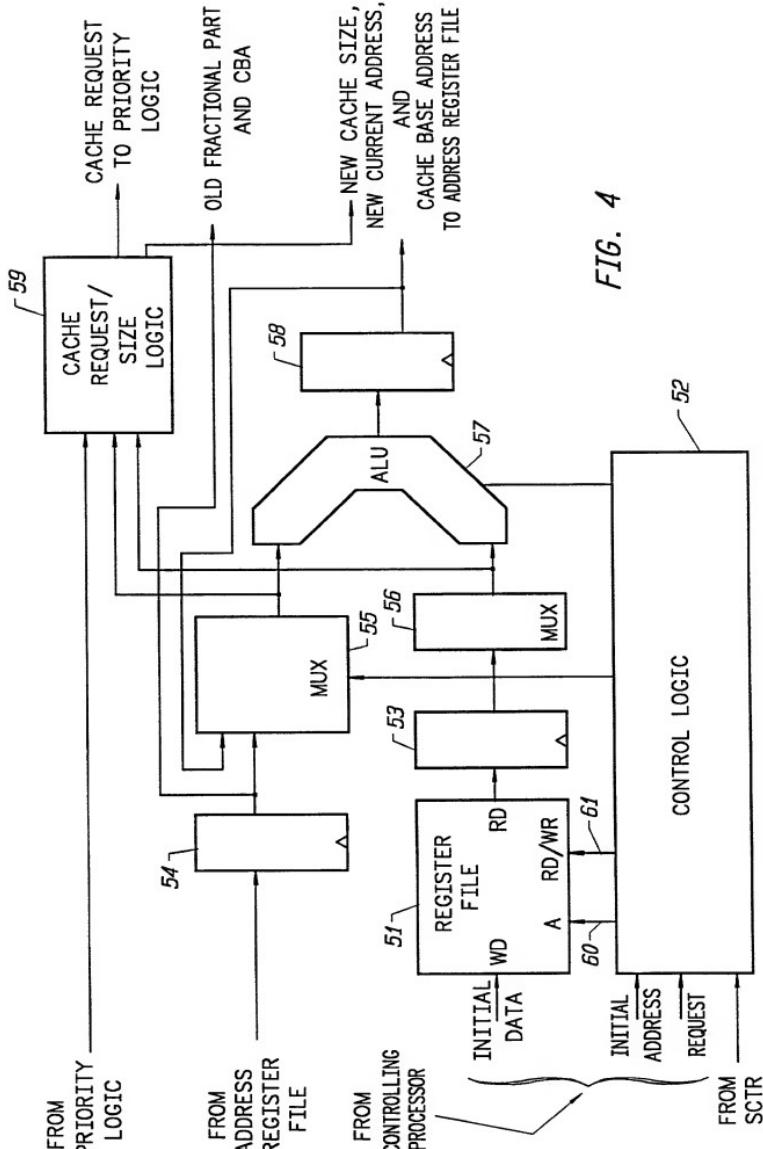


FIG. 3



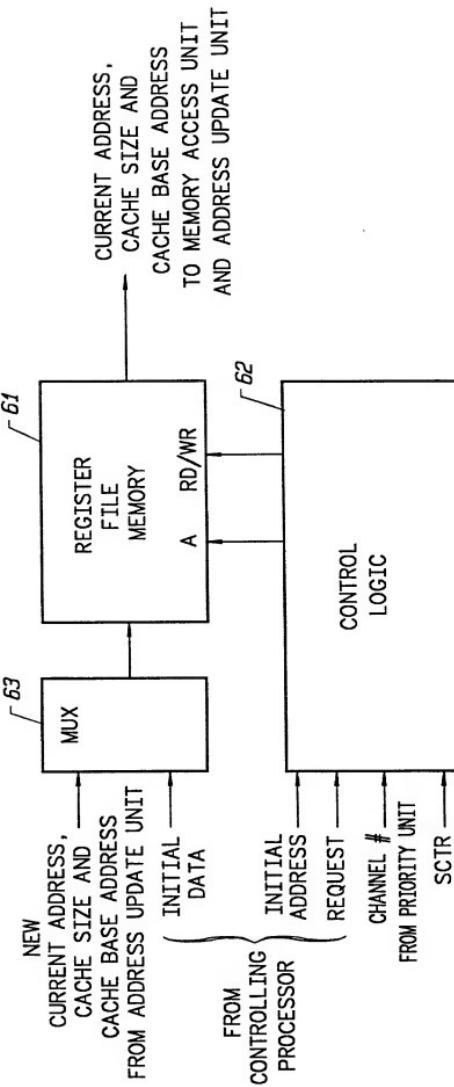


FIG. 5

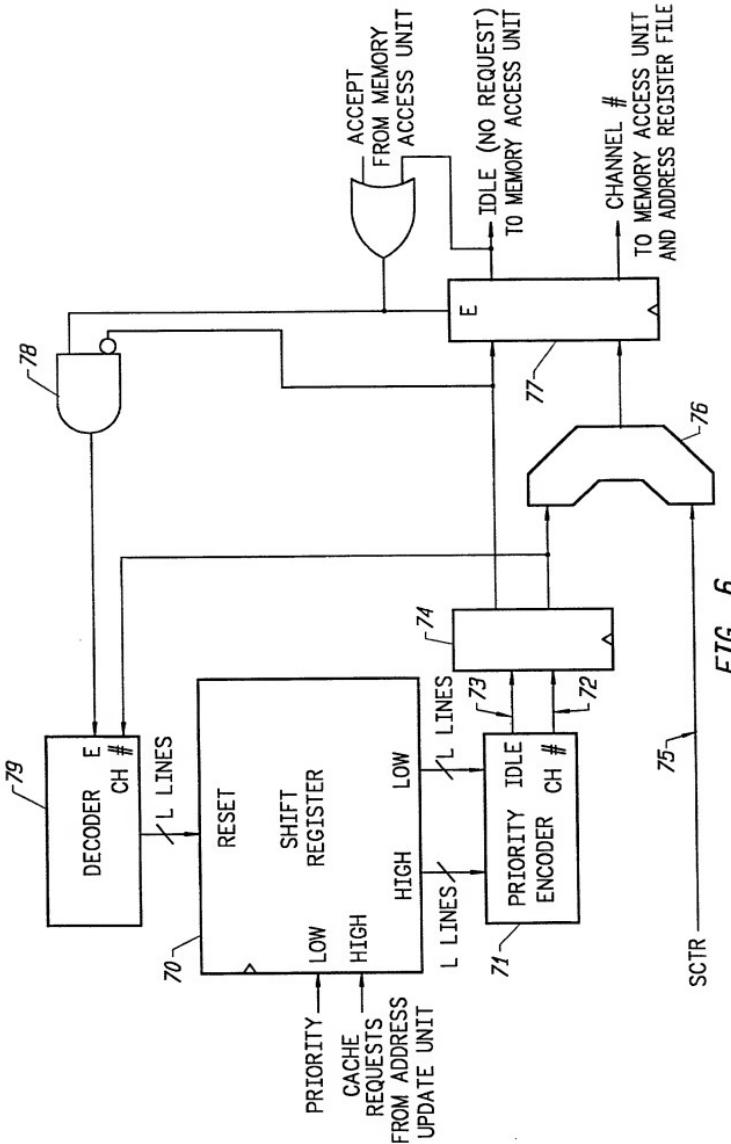


FIG. 6

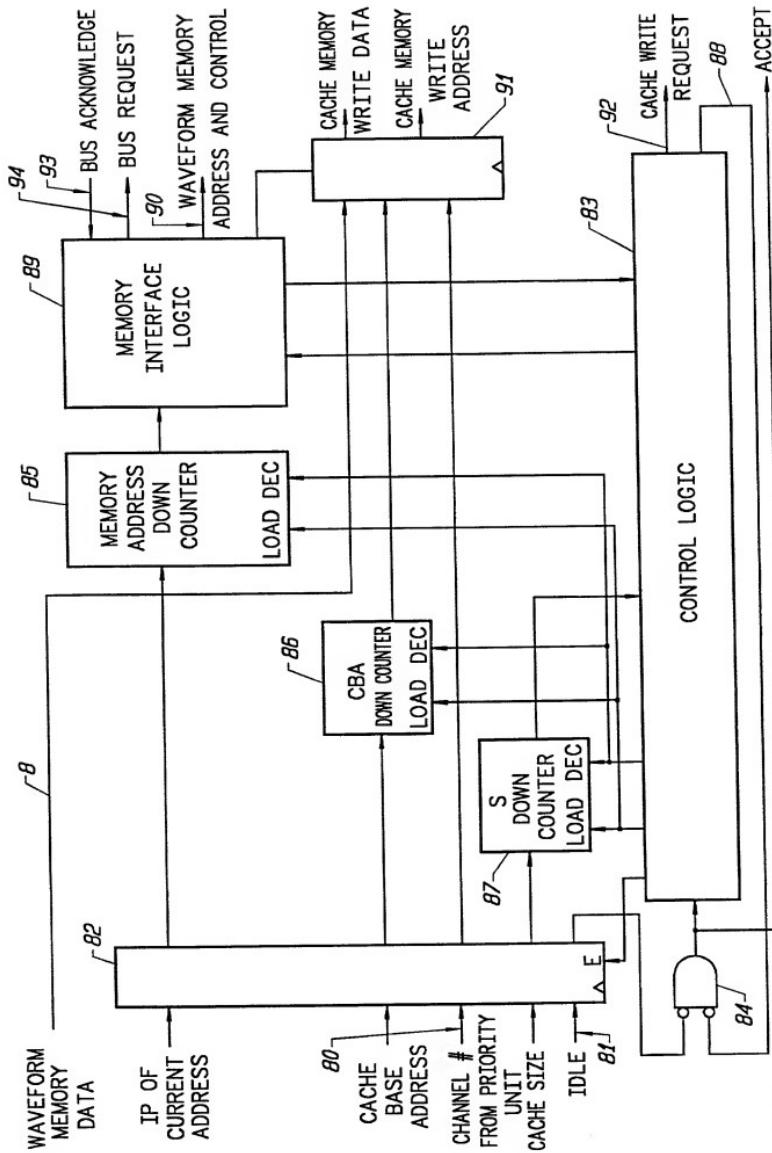
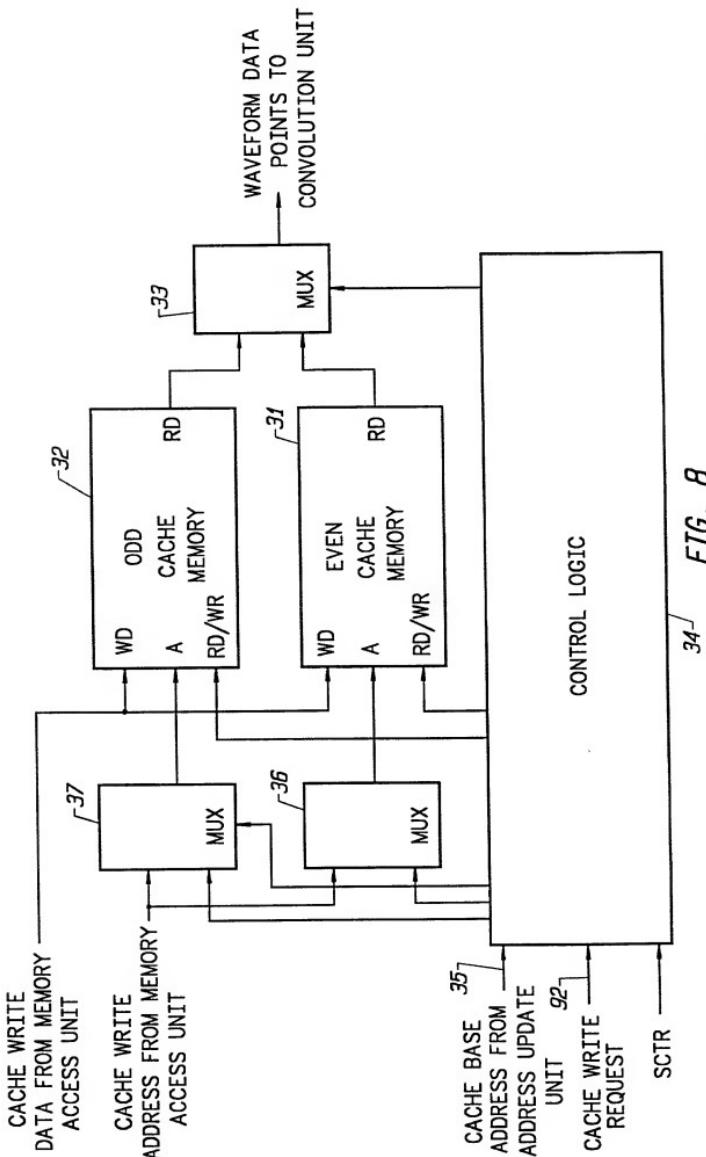


FIG. 7



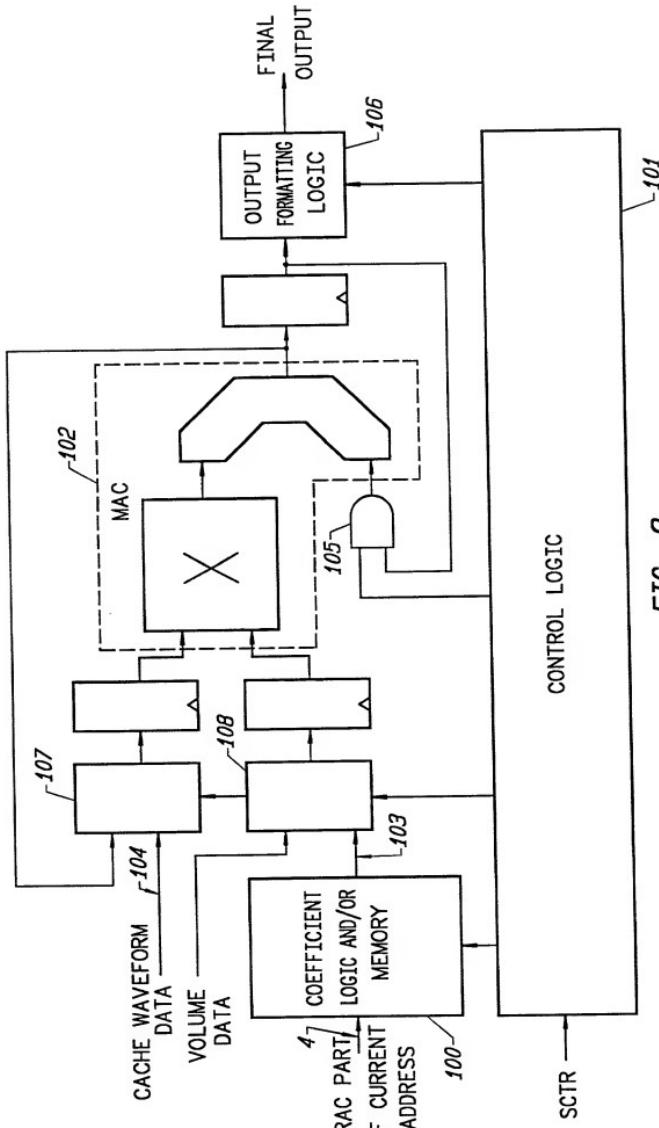
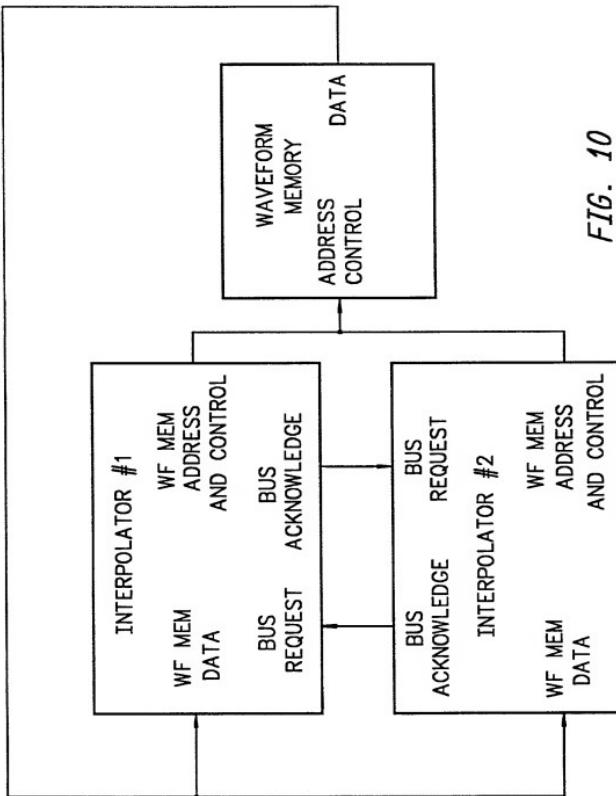


FIG. 9

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*FIG. 10*

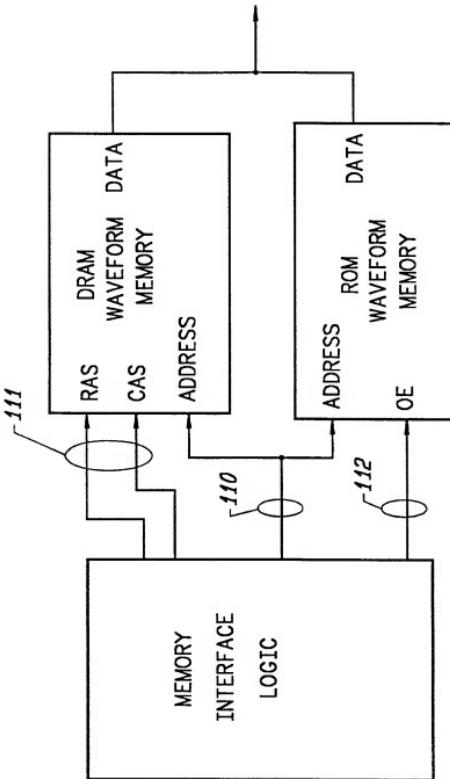


FIG. 11

STATE/COUNTER (8 PER CHANNEL)	0	1	2	3	4	5	6	7	(NEXT CHANNEL)
CSA ADDRESS	NEW VALID CACHE BASE ADDRESS								
CACHE READ OPERATION	NRP	READ POINT 0	READ POINT 1	READ POINT 2	READ POINT 3	READ POINT 4	READ POINT 5	READ POINT 6	NRP
CR READ OPERATION CSA EVEN	NRP	READ EVEN POINT	READ ODD POINT	READ EVEN POINT	READ ODD POINT	READ EVEN POINT	READ ODD POINT	READ EVEN POINT	NRP
CR READ OPERATION CSA ODD	NRP	READ ODD POINT	READ EVEN POINT	READ ODD POINT	READ EVEN POINT	READ ODD POINT	READ EVEN POINT	READ ODD POINT	NRP
EVEN CR OPERATION CSA EVEN	AVAIL FOR WR	READ POINT 0	AVAIL FOR WR	READ POINT 1	AVAIL FOR WR	READ POINT 2	AVAIL FOR WR	READ POINT 3	AVAIL FOR WR
ODD CR OPERATION CSA EVEN	AVAIL FOR WR	AVAIL FOR WR	READ POINT 1	AVAIL FOR WR	READ POINT 2	AVAIL FOR WR	READ POINT 3	AVAIL FOR WR	AVAIL FOR WR
EVEN CR OPERATION CSA ODD	AVAIL FOR WR	AVAIL FOR WR	READ POINT 1	AVAIL FOR WR	READ POINT 2	AVAIL FOR WR	READ POINT 3	AVAIL FOR WR	AVAIL FOR WR
ODD CR OPERATION CSA ODD	AVAIL FOR WR	READ POINT 0	AVAIL FOR WR	READ POINT 1	AVAIL FOR WR	READ POINT 2	AVAIL FOR WR	READ POINT 3	AVAIL FOR WR
WRITE EVEN WRITE CSA EVEN	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE
WRITE ODD WRITE CSA EVEN	WRITE	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE	WRITE
WRITE EVEN WRITE CSA ODD	WRITE	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE	WRITE
WRITE ODD WRITE CSA ODD	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE	WAIT	WRITE

FIG. 12